

2003 Bridge Construction Project Summary

The following is a summary listing of construction activity on City (DOTE) and County bridge projects that occurred or is occurring in 2003. Except as noted, DOTE staff performed plan development and construction management for these bridge projects.

2003 City (DOTE) Bridge Construction Projects

Central Incinerator Approach Bridge over the Mill Creek Painting (City Bridge in Millvale)

This project consisted of the complete repainting of the steel truss bridge and approach spans including the containment, removal, and disposal of the existing lead-based paint. Painting on this project started in early spring of 2003 and was completed by late spring of 2003. The accepted contract bid price for the project was \$158,484 and was financed using City bridge operating funds.

City Bridge Epoxy Overlays (6 City Bridges at Riverfront and Queensgate)

This project consisted of placing an epoxy overlay on the deck wearing surfaces of the five Fort Washington Way trench bridges and the Gest Street bridge over the Mill Creek in order to seal cracks and prolong the life expectancy of the concrete bridge decks. All overlay work was completed in September of 2003. The accepted contract bid price for the project was \$231,926 and was financed using City CIP bridge funds.

Norwood Rapid Transit Tube Filling (Two Locations in Norwood)

By court ruling dated December 31, 1997, it was established that the City of Cincinnati is the owner of the rapid transit tubes located in the City of Norwood. These subway tubes are in poor condition, serve no function, and consequently are being filled to eliminate maintenance and safety issues. In 2000, the north half of the Harris Avenue subway was filled. During the winter of 2002-2003, both sides of the Section Avenue subway were filled. The remaining south half of the Harris Avenue subway tubes will be filled during the winter of 2003-2004. The total accepted contract bid price for all three filling projects was \$1,487,060. As part of the Harris Avenue subway tube filling project, MSD elected to relocate an existing sewer line and reimbursed the City CIP bridge fund \$96,800 for the associated work. Needed repairs to the Harris Avenue retaining wall will be addressed following completion of the tube filling projects.

Central Parkway Pedestrian Bridge Repairs (City Bridge in Clifton at Cincinnati State)

This project consists of a general rehabilitation of the existing steel arch bridge, which includes the replacement of the existing concrete deck, painting of the structural steel, and replacement of the existing pedestrian railing with vandal protective fencing. The project includes several unique design features. The vandal protective fencing was specially designed in the form of an arch to complement the arch form of the bridge. Also, the fencing was designed with a railing to serve as both a pedestrian hand rail and cyclist rub rail. The bridge is being painted green to match the school color of the Cincinnati State Technical and Community College. Construction on this project started in midsummer 2003 and it is expected that the bridge will be reopened to pedestrian traffic by the end of the year. The accepted contract bid price for the project was \$280,587 and is being financed using City bridge operating funds.

Freeman Avenue Bridge Drainage Repairs (City Bridge in Queensgate)

This project consists of cleaning and repairing the drainage structures to reestablish proper draining of the bridge deck. Work will be performed during the fall of 2003. The accepted contract bid price for the project was \$161,830 and is being financed using City CIP bridge funds.

Rapid Transit Tubes under Central Parkway Miscellaneous Repairs (City Bridge in Over-the Rhine)

This project consists of rebuilding and replacing deteriorated vent shaft grates and the north entrance door to this 2.2 mile long section of subway in order to better prevent unauthorized entry into the subway and improve pedestrian safety. Also, as part of this project, damaged railing along Central Parkway is being replaced and drainage corrections are being made over the Brighton Street station. Work will be performed during the fall and winter of 2003. The accepted contract bid price for the project was \$380,614 and is being financed using City CIP bridge funds.

Mitchell Avenue Bridge over the Mill Creek Concrete Overlay (City Bridge in Winton Place)

This project will consist of replacing the existing concrete deck overlay, removing the longitudinal deck joint, replacing the transverse expansion joint glands and repainting the bridge beams. The project was bid in late summer of 2003 and the work will be performed in the spring of 2004. The accepted contract bid price for the project was \$527,173 and is being financed using both City bridge operating funds and City CIP bridge funds..

2003 County Bridge Construction Projects

Mehring Way Bridge over Broadway Concrete Overlay (County Bridge in Central Riverfront)

This project consisted of replacing the concrete deck overlay and approach slabs as well as making improvements to the sidewalk areas. Elements of the sidewalk design included new handicap ramps and patterned colored concrete in the crosswalks areas. The project was coordinated with the construction of the adjacent Great American Ball Park. An engineering consultant developed the contract plans. Construction was completed over the summer of 2003. The construction costs for the bridge work was \$138,937. The design and construction costs for this project were financed using County MRF bridge funds.

Western Hills Viaduct West Plaza Repairs (County Bridge in South Fairmount)

This project consists of performing deck wearing surface and traffic island repairs to the west plaza of the Western Hills Viaduct. This work is being coordinated with realignment of Beekman Street at the west end of the viaduct. Construction began in the spring of 2003 and is expected to be completed by the end of the year. The accepted contract bid price for the bridge related construction work on the project was \$161,296. The design and construction costs for the bridge related work on this project are being financed using County MRF bridge funds and State Capital Improvement Funds.

Spring Grove Avenue Bridge over the Mill Creek Painting(County Bridge in Northside)

This project consists of repainting the steel beam bridge including the containment, removal, and disposal of the existing lead-based paint. Work will be performed during the spring of 2004. The accepted contract bid price for the project was \$121,789. The design and construction costs for this project are being financed using County MRF bridge funds.

Clay Wade Bailey Approach Bridge Drainage Repairs (County Bridge in the Central Riverfront)

This project consists of cleaning and repairing the bridge drainage structures to reestablish proper draining of the bridge deck. Work on this project began during the summer of 2003 and is expected to be completed in the fall of 2003. The accepted contract bid price for the project was

\$41,850. The design and construction costs for this project were financed using County MRF bridge funds.